

ATTORNEY DOCKET: P-8240

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: HEPARIN COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME

The specification of which

- a. is attached hereto
b. X was filed on 02-09-2001 as application serial no. 09/799,536 and was amended on (if applicable) (in the case of a PCT-filed application) described and claimed in international no. filed and as amended on (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119/365 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

- a. X no such applications have been filed.
b. such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC §119

COUNTRY	APPLICATION NUMBER	DATE OF FILING	DATE OF ISSUE

ALL FOREIGN APPLICATIONS, IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)

COUNTRY	APPLICATION NUMBER	DATE OF FILING	DATE OF ISSUE

I hereby claim the benefit under Title 35, United States Code, §1120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §156(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

1

§ 1.56 Duty of disclosure; fraud, striking or rejection of applications.

- (a) A duty of candor and good faith toward the Patent and Trademark Office rests on the inventor, on each attorney or agent who prepares or prosecutes the application and on every other individual who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application. All such individuals have a duty to disclose to the Office information they are aware of which is material to the examination of the application. Such information is material where there is substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent. The duty is commensurate with the degree of involvement in the preparation or prosecution of the application.

U.S. APPLICATION NUMBER	DATE OF FILING	STATUS (patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Harold R. Patton	Reg. No. 22,157	Curtis D. Kinghorn	Reg. No. 33,926
Reed A. Duthler	Reg. No. 30,626	Michael J. Jaro	Reg. No. 34,472
Daniel W. Latham	Reg. No. 30,401	Dianne M.F. Plunkett	Reg. No. 35,649
Michael B. Atlass	Reg. No. 30,606	Thomas F. Woods	Reg. No. 36,725

Please direct all correspondence in this case to: Medtronic, Inc.
710 Medtronic Parkway N.E.
Minneapolis, Minnesota 55432
Telephone No. (763) 514-3156

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name of Inventor	FIRST NAME EDOUARD	MIDDLE INITIAL	LAST NAME KOULIK
0	Residence & Citizenship	CITY GOLDEN VALLEY 55416	STATE OR FOREIGN COUNTRY MINNESOTA, USA	CITIZENSHIP RUSSIAN FEDERATION
1	Post Office Address	POST OFFICE ADDRESS 915 NORTH TYROL TRAIL	CITY GOLDEN VALLEY	STATE/ZIP/COUNTRY MINNESOTA, 55416, USA
SIGNATURE OF INVENTOR 201 <i>E. Kourik</i>				DATE 17 May, 01
2	Full Name of Inventor	FIRST NAME	MIDDLE INITIAL	LAST NAME
0	Residence & Citizenship	CITY	STATE OR FOREIGN COUNTRY	CITIZENSHIP
2	Post Office Address	POST OFFICE ADDRESS	CITY	STATE/ZIP/COUNTRY
SIGNATURE OF INVENTOR 202				DATE

 Additional pages for fourth and subsequent inventors attached.

X This Declaration ends with this page.

RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): EDOUARD KOULIK

2. Name and address of receiving party(ies):
Name: MEDTRONIC, INC.

Internal Address: THOMAS F. WOODS

Additional name(s) of conveying party(ies) attached? [] Yes [x] No

MS LC 340

3. Nature of conveyance:

Street Address: 710 MEDTRONIC PARKWAY

[X] Assignment [] Merger

[] Security Agreement [] Change of Name

City: MINNEAPOLIS State: MN ZIP: 55432

[] Other _____

Execution Date: JUNE 6, 2001

Additional name(s) & address(es) attached? [] Yes [x] No

4. Application number(s) or patent number(s): 09/779,536 (P-8240)

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/779,536

B. Patent No.(s)

Additional numbers attached? [] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: 1

Name: Thomas F. Woods

7. Total fee (37 CFR 3.41): \$ 40.00

Address: MEDTRONIC, INC.

[] Enclosed

710 MEDTRONIC PARKWAY

[X] Authorized to be charged to deposit account

Minneapolis, Minnesota 55432-5604

8. Deposit Account Number: 13-2546

(Attach duplicate copy of this page)

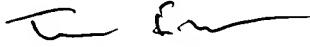
DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Thomas F. Woods

Name of Person Signing



Signature

b-12-a

Date

Total number of pages including cover sheet, attachments and documents

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
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Washington, D.C. 20231

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RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

EDOUARD KOULIK

2. Name and address of receiving party(ies):

Name: MEDTRONIC, INC.

Internal Address: THOMAS F. WOODS

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MS LC 340

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[] Security Agreement [] Change of Name

[] Other _____

City: MINNEAPOLIS State: MN ZIP: 55432

Execution Date: JUNE 6, 2001

Additional name(s) & address(es) attached? [] Yes [x] No

4. Application number(s) or patent number(s): 09/779,536 (P-8240)

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/779,536

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:

Additional numbers attached? [] Yes [x] No
6. Total number of applications and patents involved: 1

Name: Thomas F. Woods

7. Total fee (37 CFR 3.41): \$ 40.00

Address: MEDTRONIC, INC.
710 MEDTRONIC PARKWAY
Minneapolis, Minnesota 55432-5604

[] Enclosed

[X] Authorized to be charged to deposit account

(Attach duplicate copy of this page)

8. Deposit Account Number: 13-2546

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Thomas F. Woods

Name of Person Signing



Signature

6-12-A

Date

Total number of pages including cover sheet, attachments and docum-

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

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ASSIGNMENT

WHEREAS, I EDOUARD KOULIK am the sole inventor of HEPARIN COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME for which we have executed an application for filing in the United States Patent and Trademark Office preparatory to obtaining Letters Patent of the United States on the dates noted below; therefor; and

WHEREAS, MEDTRONIC, INC. a corporation organized and existing under the laws of the State of Minnesota and having a principal place of business at 710 Medtronic Parkway, Minneapolis, Minnesota 55432-5604 hereinafter referred to as "Corporation," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest in and to said invention and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefore including my rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by Corporation for its own use and behoof and use and behoof of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made;

AND, for the consideration aforesaid, I materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, I am the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that I have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, I hereby individually covenant and agree to and with Corporation, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue or extension of said Letters Patent is lawful and desirable, I, or my executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Corporation, its successors or assigns, but at Corporation's expense.

ATTORNEY DOCKET: P-8240

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 17 day of Mey, 2001.

EDOUARD KOULIK

STATE OF The Netherlands ss.
COUNTY OF Maastricht

E. Koulik

On this 6 day of June, 2001, before me personally appeared EDOUARD KOULIK, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



F. Groutars
Notary Public, Mr. M.P.P.F. Groutars

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

Applicants: Koulrik

Examiner: Khare, Devesh

Serial No.: 09/3779,536

Group Art Unit: 1623

Filed : 02/09/2001

Docket: P-8240.01

Title : Heparin compositions and methods of making and using the same

ASSOCIATE POWER OF ATTORNEY

Assistant Commissioner of Patents

Washington, D.C. 20231

Sir or Madam:

Please recognize Eric R. Waldkoetter, Reg. No. 36,713, Thomas G. Berry, Reg. No. 31,736, Girma Wolde-Michael, Reg. No. 36,724, Daniel W. Lathan, Reg. No. 30,401, Kenneth J. Collier, Reg. No. 34,982, Curtis D. Kinghorn, Reg. No. 33,926, Stephen W. Bauer, Reg. No. 32,192, Michael C. Soldner, Reg. No. 41,455, John W. Albrecht, Reg. No. 40,481, and Paul H. McDowall, Reg. No. 34,873 as associate attorneys for the attached list of patent applications, including the above-captioned patent application, and having full authority to prosecute all matters in the Patent and Trademark Office. Please direct all further correspondence to: Eric R. Waldkoetter, c/o Kathy Illg, Medtronic, Inc., 710 Medtronic Parkway (MS-LC340), Minneapolis, Minnesota 55432-5604.

Respectfully submitted,

6-26-02

Date

Attachment:
List of Patent Applications (11 pages)

Thomas F. Woods

Reg. No. 36,726

MEDTRONIC, INC.

710 Medtronic Parkway, N.E.

Minneapolis, Minnesota 55432-5604

Telephone: (763) 505-0421

06/24/2002

PATENT RECORD SEARCH

Docket No.	Ctry	Rel. Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P10029.00	US		F		LW091		TFW	10/127,034 04/22/2002	
	Agent:				Agent Ref. No:				
	TITLE:	PERCISE CARDIAC LEAD PLACEMENT BASED ON	IMPEDANCE MEASUREMENTS						
	INVENTORS:	Smits, Karel F.A.A.							
		Struble, Chester L.							
P10157.00	US		F		LW091		TFW	10/127,037 04/22/2002	
	Agent:				Agent Ref. No:				
	TITLE:	CARDIAC RESYNCHRONIZATION WITH ADAPTIVE A1-A2 AND OR V1-V2 INTERVALS							
	INVENTORS:	Grandjean, Pierre A.							
		Struble, Chester L.							
P10183.00	US		F		LW091		TFW	09/897,291 06/29/2001	
	Agent:				Agent Ref. No:				
	TITLE:	CATHETER SYSTEM HAVING DISPOSABLE BALLOON							
	INVENTORS:	Greco, Francisco							
		Jorgensen, Kenneth							
		Nielsen, Marianne							
		Pedersen, Anders Kirstein							
		Aundal, Knud							
P10194.00	US		F		LW091		TFW	10/126,733 04/22/2002	
	Agent:				Agent Ref. No:				
	TITLE:	ESTIMATION OF STROKE VOLUME AND CARDIAC OUTPUT USING AN INTRACARDIAL PRESSURE SENSOR							
	INVENTORS:	Muhlenberg, Lambert							
		Struble, Chester L.							
P10282.00	US		F		LW091		TFW	10/126,710 04/22/2002	
	Agent:				Agent Ref. No:				
	TITLE:	CARDIAC OUTPUT MEASUREMENT USING DUAL OXYGEN SENSORS IN RIGHT AND LEFT VENTRICLES							
	INVENTORS:	Struble, Chester L.							
		Muhlenberg, Lambert							
		Grandjean, Pierre A.							
P10283.00	US		F		LW091		TFW	10/126,816 04/22/2002	
	Agent:				Agent Ref. No:				
	TITLE:	ORGANIZING DATA ACCORDING TO CARDIAC RHYTHM TYPE							
	INVENTORS:	Struble, Chester L.							
		Muhlenberg, Lambert							
		Grandjean, Pierre A.							
P10321.00	US		F		LW091		TFW	10/127,038 04/22/2002	
	Agent:				Agent Ref. No:				
	TITLE:	ATRIOVENTRICULAR DELAY ADJUSTMENT							
	INVENTORS:	Struble, Chester L.							
		Muhlenberg, Lambert							
P10344.00	US		F		LW091		TFW	10/126,638 04/22/2002	
	Agent:				Agent Ref. No:				
	TITLE:	SEAMLESS COMMUNICATION BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE SYSTEM							
	INVENTORS:	Houben, Richard P M							
		Donders, Adrianus P. (Jos)							
P10346.00	US		L F		LW091		TFW	60/331,543 11/19/2001	
	Agent:				Agent Ref. No:				
	TITLE:	METHOD FOR NON-INVASIVE FETAL CARDIAC PACING							
	INVENTORS:	Eick, Olaf J.							
		Miehaus, Michael							
		Houben, Richard P M							

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Docket No.	Ctry	Rel.	Rel.	#	Type	Status	Group	Div.	Attorney	App No	Pat No.
P8892.00	US				F		LW091	TFW	09/727,462		
									12/04/2000		

Agent: _____ **Agent Ref. No.:** _____

TITLE: IMPLANTABLE MEDICAL DEVICE TELEMETRY CONTROL SYSTEMS AND METHODS OF USE
INVENTORS: Ferek-Petric, Bozidar

P8936.00 US F LW091 TFW 10/132,510
04/26/2002

Agent: Agent Ref. No:
TITLE: CAPTURE MANAGEMENT IN MULTI-SITE PACING

P8937.00 US F LW091 TFW 10/126,604
04/22/2002

Agent: Agent Ref. No:
TITLE: DETECTING COAGULUM FORMATION
INVENTORS: Eick, Olaf J.

P8943.00 US F LW091 TFW .09/742,118
12/22/2000

Agent: Agent Ref. No:
TITLE: IMPLANTABLE MEDICAL DEVICE PROGRAMMING WANDS HAVING INTEGRAL INPUT DEVICE
INVENTORS: Ferek-Petric, Bozidar

P8946.00 US F LW091 TFW 10/132,320
04/26/2002

Agent: Agent Ref. No:
TITLE: ULTRASONIC SEPTUM MONITORING FOR IMPLANTABLE MEDICAL DEVICES
INVENTORS: Houben, Richard P M
 Donders, Adrianus P. (Jos)

P8975.00 US F LW091 TFW 09/449,934
11/29/1999

Agent: Agent Ref. No:
TITLE: MEDICAL ELECTRICAL LEAD HAVING VARIABLE BENDING STIFFNESS
INVENTORS: Smits, Karel F.A.A.

P8975.03 US D 01 F LW091 TFW 09/947,065
09/06/2001

Agent: Agent Ref. No:
TITLE: MEDICAL ELECTRICAL LEAD HAVING VARIABLE BENDING STIFFNESS
INVENTORS: Smits, Karel F.A.A.

P9030.00 US F LW091 ERW 09/535,840
03/28/2000

Agent: Agent Ref. No.:
TITLE: PANCREATIC SECRETION RESPONSE TO STIMULATION TEST PROTOCOL
INVENTORS: Marchal, Benoit

P9073.00 US F LW091 TFW 09/765,506
01/18/2001

Agent: Agent Ref. No:
TITLE: MINIATURIZED DRUG DELIVERY DEVICES SYSTEMS AND METHODS . . .
INVENTORS: Haller, Markus
 Clement, Claude

P9085.00 US P 01 F LW091 TFW 09765,484
01/18/2001

Agent: Agent Ref. No.:
TITLE: SYSTEM AND METHOD OF COMMUNICATING BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A
REMOTE COMPUTER SYSTEM OR HEALTH CARE PROVIDER
INVENTORS: Haller, Markus
Donders, Adrianus P. (Jos)
Ferek-Petric, Bozidar

P9206.00 US F LW091 TFW 10/126,516
04/22/2002

Agent: Agent Ref. No:
TITLE: CARDIAC RESYNCHRONIZATION WITH ADAPTIVE A1-A2 AND OR V1-V2 INTERVALS
INVENTORS: Struble, Chester L.
Grandjean, Pierre A.

06/24/2002

PATENT RECORD SEARCH

Docket No.	Ctry	Rel.	Rel.	#	Type	Status	Group	Div.	Attorney	App No	Pat No.
P9258.00	US				F		LW091	TFW	10/132,509 04/26/2002		
	Agent:								Agent Ref. No:		
	TITLE: ABLATION METHOD AND MEDICAL APPARATUS USING SAME										
	INVENTORS: Ferek-Petric, Bozidar										
P9416.00	US	P	01		F		LW091	TFW	09/764,700 01/18/2001		
	Agent:								Agent Ref. No:		
	TITLE: SYSTEM AND METHOD FOR EMERGENCY COMMUNICATION BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE COMPUTER SYSTEM OF HEALTH CARE PROVIDER										
	INVENTORS: Haller, Markus Ferek-Petric, Bozidar Donders, Adrianus P. (Jos)										
P9417.00	US	P	01		F		LW091	TFW	09/765,218 01/18/2001		
	Agent:								Agent Ref. No:		
	TITLE: SYSTEM AND METHOD OF AUTOMATED INVOICING FOR COMMUNICATIONS BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE COMPUTER SYSTEM FOR HEALTH PROVIDER										
	INVENTORS: Haller, Markus Ferek-Petric, Bozidar Donders, Adrianus P. (Jos)										
P9418.00	US	P	01		F		LW091	TFW	09/764,681 01/18/2001		
	Agent:								Agent Ref. No:		
	TITLE: SYSTEM AND METHOD FOR REMOTE PROGRAMMING OF AN IMPLANTABLE MEDICAL DEVICE										
	INVENTORS: Haller, Markus Ferek-Petric, Bozidar Donders, Adrianus P. (Jos)										
P9436.00	US				F		LW091	TFW	09/842,147 04/26/2001		
	Agent:								Agent Ref. No:		
	TITLE: PRESSURE- MODULATED RATE-RESPONSIVE CARDIAC PACING										
	INVENTORS: Struble, Chester L.										
P9437.00	US				F		LW091	TFW	10/126,538 04/22/2002		
	Agent:								Agent Ref. No:		
	TITLE: IMPLANTABLE DRUG DELIVERY SYSTEM RESPONSIVE TO INTRA-CARDIAC PRESSURE										
	INVENTORS: Struble, Chester L.										
P9440.00	US				F		LW091	TFW	09/842,148 04/26/2001		
	Agent:								Agent Ref. No:		
	TITLE: DRUG DELIVERY FOR TREATMENT OF CARDIAC ARRHYTHMIA										
	INVENTORS: Struble, Chester L.										
P9463.00	US				F		LW091	TFW	10/126,858 04/22/2002		
	Agent:								Agent Ref. No:		
	TITLE: PRESSURE-MODULATED ENERGY LEVEL FOR PACING PULSES										
	INVENTORS: Struble, Chester L.										
P9464.00	US				F		LW091	TFW	10/126,539 04/22/2002		
	Agent:								Agent Ref. No:		
	TITLE: CARDIAC RESTRAINT WITH ELECTRODE ATTACHMENT SITES										
	INVENTORS: Struble, Chester L. Grandjean, Pierre A. Zeijlemaker, Volkert A Smits, Karel F.A.A.										

06/24/2002

PATENT RECORD SEARCH

Docket No.	Ctry	Rel. Rel. #	Type Status	Group	Div.	Attorney	App No	Pat No.
P9473.00	US		F		LW091	TFW	09/879,282 06/12/2001	
	Agent:					Agent Ref. No:		
	TITLE:	DEEP TRENCH SEMICONDUCTOR CAPACITORS HAVING REVERSE BIAS DIODES FOR IMPLANTABLE MEDICAL DEVICES						
	INVENTORS:	Houben, Richard P M Weijand, Koen J.						
P9475.00	US		F		LW091	TFW	10/001,148 11/15/2001	
	Agent:					Agent Ref. No:		
	TITLE:	MYOCARDIAL PERFORMANCE ASSESSMENT						
	INVENTORS:	Corbucci, Giorgio						
P9491.00	US		F		LW091	TFW	09/842,813 04/27/2001	
	Agent:					Agent Ref. No:		
	TITLE:	CLOSED LOOP NEUROMODULATION FOR SUPPRESSION OF EPILEPTIC ACTIVITY						
	INVENTORS:	Wadman, Wytse Gielen, Frans L H						
P9511.00	US		F		LW091	TFW	10/126,537 04/22/2002	
	Agent:					Agent Ref. No:		
	TITLE:	BURR HOLE ASSEMBLY FOR STEREOTACTIC FIXATION OF A BRAIN PROBE						
	INVENTORS:	Gielen, Frans L H Cornu, Philippe						
P9557.00	US		F		LW091	TFW	09/909,999 07/23/2001	
	Agent:					Agent Ref. No:		
	TITLE:	CELL- BASED BIOSENSORS SUITABLE FOR IMPLANTABLE MEDICAL DEVICE APPLICATIONS						
	INVENTORS:	Houben, Richard P M Larik, Vincent						
P9648.00	US		F		LW091	TFW	10/126,522 04/22/2002	
	Agent:					Agent Ref. No:		
	TITLE:	ANTI-TACHYCARDIA PACING BASED ON MULTI-SITE ELECTROGRAMS						
	INVENTORS:	Struble, Chester L.						
P9711.00	US	L	F		LW091	TFW	60/371,543 04/11/2002	
	Agent:					Agent Ref. No:		
	TITLE:	METHOD AND APPARATUS FOR AUTOMATIC SHUTDOWN OF HIGH FREQUENCY DELIVERY UPON CATHETER DISLOCATION						
	INVENTORS:	Eick, Olaf J. Feron, John C.M.J.						
P9774.00	US	L	F		LW091	TFW	60/333,762 11/29/2001	
	Agent:					Agent Ref. No:		
	TITLE:	TRANS-SEPTAL MEDICAL ELECTRICAL LEADS AND METHODS OF STIMULATING A HEART						
	INVENTORS:	Struble, Chester L. Prinzen, Frits W. Smits, Karel F.A.A. Muhlenberg, Lambert Grandjean, Pierre A. Michels, Koen Lokhoff, Nicolaas M.						
P9781.00	US		F		LW091	TFW	10/008,773 12/05/2001	
	Agent:					Agent Ref. No:		
	TITLE:	DIRECTIONAL BRAIN STIMULATION AND RECORDING LEADS						
	INVENTORS:	Van Venrooij, Paulus Gielen, Frans L H Mullett, Keith R. Duysens, Victor Gruia, Dan						

06/24/2002

PATENT RECORD SEARCH

Docket No.	Ctry	Rel. Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P9897.00	US		F		LW091		TFW	10/131,256 04/25/2002	
Agent: TITLE: ULTRASOUND METHODS AND IMPLANTABLE MEDICAL DEVICES USING SAME INVENTORS: Ferek-Petric, Bozidar Breyer, Branko							Agent Ref. No:		
P9929.00	US		F		LW091	TFW	10/127,041 04/22/2002		
Agent: TITLE: ANTI-SLIP LEADS FOR PLACEMENT WITHIN TISSUE INVENTORS: Struble, Chester L. Grandjean, Pierre A. Smits, Karel F.A.A.							Agent Ref. No:		

98 TOTAL RECORDS REPORTED